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UNITED STATES NAVAL OBSERVATORY

CIRCULAR NO. 62

U. S. Naval Observatory, Washington 25, D. C. October 24, 1955

# POSITIONS, AREAS, AND COUNTS OF SUNSPOTS
## AUGUST, 1955

By Winifred Sawtell Cameron

These results are based upon measurements made at the Naval Observatory on plates secured either there or at the Mt. Wilson Observatory. The symbols used for the entries in the successive columns are as follows:

U.T., the epoch of observation in Universal Time.
No., the identifying number of the group assigned by Mt. Wilson.
$\Delta l$, the heliographic difference in longitude from the central meridian, measured positive to the west.
$\varphi$, the heliographic latitude, measured positive to the north.
$\rho$, the heliocentric angular distance from the line joining the centers of the Earth and Sun.
$A$, the true area of the umbra plus penumbra, expressed in millionths of the visible hemisphere.
$s$, the number of spots.

An asterisk means that no Mt. Wilson number was assigned. Plates secured at the Naval Observatory are indicated by N, and those at Mt. Wilson by M. The plate quality, which follows, is indicated by:

1, Poor; 2, Fair; 3, Good; 4, Very Good; 5, Excellent.

The following five quantities are listed successively at the end of each day, and give for that day:

1. The total number of groups, $g$.
2. The longitude of the central meridian, $L_0$.
3. The latitude of the center of the disc, $B_0$.
4. The total value of $A$.
5. The total value of $s$.

The mean daily area and the mean relative sunspot number, $r=10g+s$ are given at the end of the month.

These results are a continuation of those published in the *Monthly Weather Review* from February 1, 1927 to December 31, 1947.

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| U.T. | No. | Δl | φ | ρ | A | s |
|---|---|---|---|---|---|---|
| | | ° | ° | ° | | |
| 1.541 | 11286 | − 6 | +21 | 16 | 24 | 1 |
| N–2 | 11286 | − 5 | +20 | 15 | 24 | 1 |
| | 11286 | − 5 | +22 | 16 | 48 | 3 |
| | 11286 | 0 | +21 | 14 | 24 | 1 |
| | 11286 | + 1 | +22 | 16 | 48 | 4 |
| | 11288 | + 8 | −32 | 39 | 36 | 1 |
| | 11288 | +11 | −31 | 38 | 16 | 1 |
| | 11288 | +11 | −32 | 39 | 24 | 2 |
| | 11288 | +12 | −31 | 38 | 12 | 1 |
| | (2) | (297) | (+6) | | 256 | 15 |
| 2.567 | 11286 | + 8 | +22 | 17 | 16 | 2 |
| N–3 | 11286 | + 9 | +21 | 16 | 12 | 1 |
| | 11286 | + 9 | +23 | 19 | 12 | 2 |
| | 11286 | +10 | +23 | 19 | 12 | 1 |
| | 11288 | +18 | −33 | 43 | 12 | 1 |
| | 11288 | +20 | −33 | 44 | 12 | 1 |
| | 11288 | +22 | −33 | 45 | 12 | 1 |
| | 11288 | +23 | −32 | 44 | 12 | 1 |
| | (2) | (284) | (+6) | | 100 | 10 |
| 3.527 | 11288 | +31 | −33 | 49 | 16 | 2 |
| N–3 | 11288 | +33 | −33 | 50 | 16 | 1 |
| | (1) | (271) | (+6) | | 32 | 3 |
| 4.574 | | | | | 0 | 0 |
| N–2 | | | | | | |
| | (0) | (257) | (+6) | | 0 | 0 |
| 5.614 | 11291 | −76 | −25 | 81 | 194 | 1 |
| N–3 | 11291 | −70 | −24 | 75 | 73 | 1 |
| | 11291 | −69 | −24 | 73 | 32 | 1 |
| | 11291 | −65 | −25 | 71 | 121 | 1 |
| | 11290 | −70 | +16 | 70 | 24 | 2 |
| | 11290 | −70 | +14 | 70 | 36 | 1 |
| | 11290 | −69 | +14 | 69 | 48 | 1 |
| | (2) | (243) | (+6) | | 528 | 8 |
| 6.704 | 11290 | −62 | +16 | 63 | 36 | 1 |
| N–3 | 11290 | −61 | +15 | 62 | 32 | 1 |
| | 11290 | −58 | +15 | 59 | 24 | 1 |
| | 11290 | −56 | +14 | 57 | 36 | 2 |
| | 11290 | −55 | +15 | 56 | 48 | 1 |
| | 11290 | −54 | +15 | 55 | 109 | 2 |
| | 11291 | −59 | −25 | 66 | 267 | 2 |
| | 11291 | −58 | −24 | 64 | 73 | 2 |
| | 11291 | −56 | −24 | 63 | 194 | 3 |
| | 11291 | −51 | −26 | 60 | 97 | 1 |
| | 11289 | −30 | +32 | 38 | 16 | 1 |
| | (3) | (229) | (+6) | | 932 | 17 |
| 7.808 | 11291 | −47 | −24 | 56 | 194 | 1 |
| N–2 | 11291 | −46 | −22 | 54 | 194 | 1 |
| | 11291 | −45 | −24 | 54 | 24 | 1 |
| | 11291 | −39 | −23 | 49 | 145 | 2 |
| | 11291 | −37 | −24 | 49 | 121 | 1 |
| | 11290 | −46 | +16 | 47 | 73 | 2 |
| | 11290 | −41 | +15 | 42 | 24 | 1 |
| | 11290 | −40 | +17 | 42 | 32 | 1 |
| | 11290 | −40 | +14 | 41 | 36 | 1 |
| | 11290 | −40 | +15 | 41 | 32 | 2 |
| | 11290 | −36 | +16 | 37 | 267 | 3 |
| | 11289 | −14 | +32 | 28 | 12 | 1 |
| | 11289 | −13 | +32 | 28 | 12 | 1 |
| | (3) | (214) | (+6) | | 1166 | 18 |
| 8.665 | 11290 | −36 | +18 | 37 | 6 | 2 |
| M–1 | 11290 | −35 | +16 | 36 | 24 | 2 |
| | 11290 | −34 | +16 | 35 | 12 | 2 |
| | 11290 | −33 | +16 | 34 | 6 | 1 |
| | 11290 | −32 | +15 | 33 | 16 | 1 |
| | 11290 | −31 | +16 | 32 | 32 | 1 |
| | 11290 | −31 | +14 | 32 | 6 | 1 |
| | 11290 | −29 | +16 | 31 | 12 | 2 |
| | 11290 | −29 | +14 | 30 | 16 | 1 |
| | 11290 | −28 | +17 | 30 | 24 | 3 |
| | 11290 | −28 | +14 | 29 | 36 | 3 |
| | 11290 | −27 | +17 | 29 | 12 | 2 |
| | 11290 | −26 | +16 | 28 | 97 | 6 |
| | 11290 | −23 | +16 | 25 | 267 | 1 |
| | 11291 | −36 | −24 | 47 | 97 | 5 |
| | 11291 | −35 | −22 | 45 | 194 | 4 |
| | 11291 | −31 | −22 | 42 | 16 | 1 |
| | 11291 | −30 | −22 | 41 | 16 | 1 |
| | 11291 | −29 | −23 | 41 | 36 | 2 |
| | 11291 | −28 | −24 | 41 | 12 | 1 |
| | 11291 | −28 | −22 | 40 | 12 | 1 |
| | 11291 | −28 | −23 | 41 | 16 | 1 |
| | 11291 | −27 | −23 | 40 | 145 | 1 |
| | 11291 | −25 | −24 | 39 | 109 | 1 |
| | (2) | (203) | (+6) | | 1219 | 46 |
| 9.613 | 11292 | −67 | +25 | 68 | 36 | 1 |
| M–3 | 11292 | −64 | +24 | 65 | 32 | 4 |
| | 11291 | −24 | −24 | 38 | 6 | 3 |
| | 11291 | −23 | −23 | 38 | 24 | 2 |
| | 11291 | −22 | −22 | 35 | 339 | 9 |
| | 11291 | −22 | −25 | 38 | 12 | 1 |
| | 11291 | −21 | −25 | 37 | 6 | 1 |
| | 11291 | −19 | −22 | 34 | 6 | 2 |
| | 11291 | −18 | −22 | 34 | 24 | 3 |
| | 11291 | −17 | −23 | 34 | 6 | 1 |
| | 11291 | −17 | −22 | 33 | 6 | 1 |
| | 11291 | −16 | −23 | 33 | 145 | 3 |
| | 11291 | −16 | −24 | 35 | 24 | 8 |
| | 11291 | −14 | −23 | 33 | 145 | 1 |
| | 11291 | −12 | −24 | 33 | 97 | 1 |
| | 11290 | −23 | +16 | 25 | 12 | 1 |
| | 11290 | −21 | +16 | 23 | 12 | 2 |
| | 11290 | −19 | +15 | 22 | 12 | 1 |
| | 11290 | −17 | +16 | 21 | 6 | 1 |
| | 11290 | −17 | +17 | 21 | 16 | 2 |
| | 11290 | −16 | +15 | 18 | 24 | 5 |
| | 11290 | −15 | +16 | 18 | 12 | 2 |
| | 11290 | −14 | +15 | 16 | 16 | 2 |
| | 11290 | −14 | +16 | 17 | 12 | 3 |
| | 11290 | −11 | +16 | 15 | 388 | 2 |
| | 11289 | + 5 | +33 | 26 | 12 | 2 |
| | 11289 | + 6 | +33 | 27 | 24 | 3 |
| | 11289 | + 6 | +34 | 29 | 12 | 1 |
| | 11289 | + 7 | +33 | 28 | 24 | 4 |
| | 11289 | + 7 | +34 | 29 | 6 | 1 |
| | 11289 | +10 | +33 | 27 | 24 | 5 |
| | (4) | (190) | (+6) | | 1520 | 78 |
| 10.606 | 11292 | −56 | +23 | 57 | 24 | 2 |
| N–2 | 11292 | −54 | +21 | 55 | 24 | 1 |

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| U.T. | No. | Δl | φ | ρ | A | s |
|---|---|---|---|---|---|---|
| | | ° | ° | ° | | |
| | 11292 | −50 | +21 | 52 | 97 | 1 |
| | 11291 | − 9 | −24 | 33 | 133 | 3 |
| | 11291 | − 8 | −23 | 32 | 242 | 1 |
| | 11291 | − 6 | −23 | 29 | 24 | 1 |
| | 11291 | − 6 | −24 | 31 | 24 | 1 |
| | 11291 | − 1 | −24 | 31 | 339 | 2 |
| | 11291 | + 3 | −25 | 32 | 97 | 1 |
| | 11290 | − 5 | +15 | 11 | 48 | 4 |
| | 11290 | − 5 | +16 | 12 | 16 | 1 |
| | 11290 | − 2 | +14 | 9 | 24 | 2 |
| | 11290 | − 1 | +13 | 6 | 16 | 1 |
| | 11290 | + 1 | +15 | 9 | 48 | 1 |
| | 11290 | + 3 | +15 | 10 | 412 | 1 |
| | 11289 | +16 | +31 | 28 | 97 | 1 |
| | 11289 | +20 | +33 | 33 | 48 | 2 |
| | 11289 | +22 | +32 | 34 | 24 | 1 |
| | 11289 | +23 | +32 | 34 | 24 | 2 |
| | (4) | (177) | (+6) | | 1761 | 29 |
| 11.536 | 11292 | −44 | +23 | 46 | 12 | 1 |
| N–4 | 11292 | −43 | +23 | 46 | 16 | 1 |
| | 11292 | −42 | +22 | 45 | 12 | 1 |
| | 11292 | −38 | +20 | 41 | 48 | 3 |
| | 11292 | −37 | +21 | 40 | 121 | 1 |
| | 11291 | + 1 | −23 | 29 | 36 | 2 |
| | 11291 | + 2 | −22 | 28 | 32 | 3 |
| | 11291 | + 2 | −25 | 32 | 12 | 1 |
| | 11291 | + 3 | −24 | 31 | 145 | 6 |
| | 11291 | + 4 | −22 | 28 | 267 | 4 |
| | 11291 | + 6 | −24 | 31 | 16 | 1 |
| | 11291 | + 6 | −22 | 28 | 24 | 1 |
| | 11291 | + 7 | −23 | 30 | 12 | 1 |
| | 11291 | +11 | −23 | 31 | 12 | 1 |
| | 11291 | +13 | −25 | 34 | 6 | 1 |
| | 11291 | +13 | −23 | 32 | 291 | 3 |
| | 11291 | +15 | −24 | 34 | 73 | 3 |
| | 11290 | + 5 | +15 | 11 | 36 | 3 |
| | 11290 | + 6 | +16 | 12 | 6 | 1 |
| | 11290 | + 8 | +15 | 13 | 24 | 2 |
| | 11290 | +15 | +15 | 17 | 388 | 2 |
| | 11289 | +28 | +31 | 36 | 73 | 3 |
| | 11289 | +33 | +32 | 41 | 32 | 2 |
| | 11289 | +34 | +33 | 42 | 16 | 1 |
| | 11289 | +35 | +33 | 43 | 24 | 2 |
| | (4) | (165) | (+6) | | 1734 | 50 |
| 12.668 | 11292 | −27 | +23 | 31 | 6 | 1 |
| M–3 | 11292 | −27 | +24 | 32 | 12 | 2 |
| | 11292 | −27 | +25 | 32 | 12 | 4 |
| | 11292 | −22 | +22 | 26 | 12 | 3 |
| | 11292 | −21 | +22 | 25 | 36 | 4 |
| | 11292 | −19 | +23 | 25 | 61 | 1 |
| | 11293 | −21 | −30 | 47 | 6 | 1 |
| | 11291 | +14 | −22 | 33 | 36 | 10 |
| | 11291 | +15 | −21 | 32 | 97 | 8 |
| | 11291 | +15 | −23 | 33 | 16 | 6 |
| | 11291 | +16 | −25 | 36 | 12 | 5 |
| | 11291 | +16 | −21 | 32 | 218 | 8 |
| | 11291 | +18 | −23 | 35 | 6 | 3 |
| | 11291 | +20 | −23 | 36 | 12 | 4 |
| | 11291 | +24 | −23 | 38 | 6 | 1 |
| | 11291 | +25 | −24 | 39 | 12 | 2 |
| | 11291 | +28 | −23 | 41 | 242 | 1 |
| | 11291 | +29 | −24 | 43 | 73 | 5 |
| | 11290 | +19 | +17 | 22 | 6 | 1 |
| | 11290 | +20 | +18 | 23 | 6 | 3 |
| | 11290 | +24 | +15 | 25 | 12 | 6 |
| | 11290 | +30 | +15 | 31 | 339 | 3 |
| | 11289 | +43 | +32 | 46 | 48 | 3 |
| | 11289 | +48 | +34 | 52 | 16 | 1 |
| | (5) | (150) | (+7) | | 1302 | 86 |
| 13.894 | 11292 | −12 | +23 | 20 | 16 | 3 |
| N–4 | 11292 | −11 | +24 | 20 | 6 | 1 |
| | 11292 | − 9 | +23 | 18 | 6 | 1 |
| | 11292 | − 3 | +23 | 16 | 48 | 3 |
| | 11292 | − 3 | +22 | 15 | 16 | 3 |
| | 11293 | − 5 | −27 | 35 | 12 | 1 |
| | 11291 | +31 | −23 | 43 | 61 | 2 |
| | 11291 | +31 | −21 | 41 | 16 | 2 |
| | 11291 | +32 | −23 | 44 | 61 | 5 |
| | 11291 | +32 | −25 | 45 | 12 | 1 |
| | 11291 | +33 | −22 | 44 | 194 | 2 |
| | 11291 | +44 | −24 | 53 | 339 | 3 |
| | 11290 | +45 | +14 | 45 | 461 | 2 |
| | 11289 | +58 | +30 | 60 | 24 | 2 |
| | (5) | (134) | (+7) | | 1272 | 31 |
| 14.748 | 11292 | + 1 | +23 | 16 | 24 | 2 |
| N–2 | 11292 | + 3 | +22 | 15 | 12 | 1 |
| | 11292 | + 5 | +21 | 14 | 16 | 2 |
| | 11292 | + 9 | +21 | 16 | 48 | 2 |
| | 11293 | + 5 | −27 | 35 | 12 | 1 |
| | 11293 | + 6 | −27 | 35 | 24 | 1 |
| | 11291 | +43 | −25 | 52 | 36 | 1 |
| | 11291 | +44 | −24 | 53 | 24 | 1 |
| | 11291 | +45 | −23 | 53 | 194 | 2 |
| | 11291 | +56 | −26 | 63 | 291 | 2 |
| | 11290 | +57 | +14 | 57 | 436 | 2 |
| | (4) | (123) | (+7) | | 1117 | 17 |
| 15.574 | 11292 | +19 | +22 | 24 | 12 | 2 |
| N–2 | 11291 | +55 | −22 | 61 | 194 | 1 |
| | 11291 | +68 | −24 | 72 | 267 | 2 |
| | 11290 | +66 | +15 | 67 | 461 | 2 |
| | (3) | (112) | (+7) | | 934 | 7 |
| 16.547 | 11294 | −17 | +21 | 23 | 16 | 1 |
| N–2 | 11291 | +70 | −21 | 74 | 121 | 1 |
| | 11291 | +78 | −23 | 81 | 145 | 1 |
| | 11290 | +83 | +17 | 84 | 436 | 1 |
| | (3) | (99) | (+7) | | 718 | 4 |
| 17.535 | 11294 | − 4 | +20 | 14 | 12 | 1 |
| N–3 | 11294 | − 2 | +21 | 14 | 12 | 1 |
| | (1) | (86) | (+7) | | 24 | 2 |
| 18.595 | 11294 | + 7 | +21 | 15 | 6 | 1 |
| M–4 | 11294 | + 8 | +22 | 16 | 16 | 4 |
| | 11294 | + 9 | +21 | 16 | 6 | 1 |
| | 11294 | +13 | +21 | 18 | 16 | 8 |
| | (1) | (72) | (+7) | | 44 | 14 |
| 19.547 | 11294 | +21 | +21 | 24 | 73 | 4 |
| N–3 | 11294 | +23 | +20 | 26 | 12 | 1 |

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| U.T. | No. | $\Delta l$ | $\varphi$ | $\rho$ | $A$ | $s$ |
|---|---|---|---|---|---|---|
| | | ° | ° | ° | | |
| | 11294 | +24 | +20 | 27 | 24 | 2 |
| | 11294 | +26 | +19 | 28 | 32 | 2 |
| | (1) | (59) | (+7) | | 141 | 9 |
| 20.553 | 11294 | +34 | +20 | 36 | 48 | 3 |
| N–3 | 11294 | +35 | +19 | 36 | 48 | 2 |
| | 11294 | +40 | +19 | 41 | 48 | 1 |
| | 11294 | +41 | +20 | 42 | 36 | 1 |
| | (1) | (46) | (+7) | | 180 | 7 |
| 21.630 | 11294 | +49 | +19 | 49 | 97 | 3 |
| N–1 | 11294 | +50 | +22 | 51 | 36 | 1 |
| | 11294 | +54 | +17 | 54 | 73 | 2 |
| | 11294 | +55 | +18 | 55 | 73 | 2 |
| | (1) | (32) | (+7) | | 279 | 8 |
| 22.551 | 11295 | −16 | −28 | 39 | 16 | 1 |
| N–3 | 11295 | −13 | −27 | 36 | 12 | 1 |
| | 11294 | +61 | +20 | 62 | 48 | 1 |
| | 11294 | +63 | +22 | 64 | 24 | 1 |
| | 11294 | +65 | +20 | 66 | 16 | 1 |
| | 11294 | +67 | +20 | 68 | 97 | 3 |
| | (2) | (20) | (+7) | | 213 | 8 |
| 23.549 | 11295 | − 4 | −28 | 36 | 16 | 1 |
| N–3 | 11294 | +80 | +21 | 81 | 97 | 1 |
| | 11294 | +82 | +21 | 83 | 145 | 2 |
| | (2) | (6) | (+7) | | 258 | 4 |
| 24.552 | 11296 | −41 | +41 | 49 | 16 | 1 |
| N–2 | 11295 | +10 | −28 | 36 | 16 | 1 |
| | (2) | (353) | (+7) | | 32 | 2 |
| 25.547 | 11296 | −32 | +42 | 45 | 73 | 2 |
| N–1 | 11296 | −27 | +41 | 43 | 16 | 1 |
| | 11296 | −25 | +42 | 42 | 73 | 2 |
| | (1) | (340) | (+7) | | 162 | 5 |
| 26.551 | 11298 | −85 | −21 | 87 | 145 | 1 |
| N–2 | 11297 | −36 | +17 | 37 | 16 | 2 |
| | 11297 | −33 | +18 | 34 | 61 | 2 |
| | 11296 | −20 | +42 | 38 | 36 | 1 |
| | 11296 | −14 | +41 | 36 | 24 | 2 |
| | 11296 | −13 | +42 | 36 | 24 | 1 |
| | 11296 | −12 | +42 | 36 | 24 | 1 |
| | 11296 | −11 | +43 | 36 | 97 | 1 |
| | (3) | (327) | (+7) | | 427 | 11 |
| 27.552 | 11298 | −72 | −20 | 76 | 24 | 2 |
| N–2 | 11298 | −66 | −21 | 70 | 97 | 1 |
| | 11299 | −46 | +28 | 48 | 6 | 1 |
| | 11299 | −45 | +27 | 48 | 12 | 1 |
| | 11297 | −23 | +18 | 25 | 24 | 2 |
| | 11297 | −23 | +20 | 26 | 24 | 3 |
| | 11297 | −22 | +21 | 25 | 12 | 1 |
| | 11297 | −21 | +20 | 24 | 6 | 1 |
| | 11297 | −18 | +19 | 22 | 85 | 3 |
| | 11296 | −11 | +43 | 36 | 16 | 2 |
| | 11296 | − 9 | +43 | 36 | 121 | 4 |
| | 11296 | − 6 | +42 | 35 | 16 | 1 |
| | 11296 | − 5 | +41 | 34 | 16 | 1 |
| | 11296 | − 4 | +42 | 35 | 73 | 2 |
| | 11296 | + 2 | +43 | 35 | 121 | 1 |
| | (4) | (313) | (+7) | | 653 | 26 |
| 28.609 | 11298 | −59 | −20 | 65 | 24 | 1 |
| N–2 | 11298 | −58 | −18 | 63 | 12 | 1 |
| | 11298 | −51 | −21 | 56 | 85 | 1 |
| | 11299 | −30 | +27 | 35 | 24 | 1 |
| | 11297 | − 9 | +20 | 16 | 12 | 2 |
| | 11297 | − 7 | +18 | 14 | 24 | 1 |
| | 11297 | − 5 | +18 | 13 | 73 | 4 |
| | 11297 | − 2 | +20 | 13 | 12 | 1 |
| | 11296 | + 2 | +43 | 35 | 97 | 2 |
| | 11296 | + 4 | +43 | 36 | 61 | 3 |
| | 11296 | +11 | +42 | 36 | 48 | 1 |
| | 11296 | +16 | +43 | 38 | 97 | 1 |
| | (4) | (299) | (+7) | | 569 | 19 |
| 29.608 | 11300 | −74 | +25 | 76 | 36 | 1 |
| N–1 | 11298 | −35 | −21 | 45 | 85 | 1 |
| | 11299 | −16 | +27 | 26 | 16 | 1 |
| | 11296 | +14 | +43 | 38 | 109 | 1 |
| | 11296 | +24 | +42 | 41 | 36 | 1 |
| | 11296 | +30 | +43 | 44 | 73 | 1 |
| | (4) | (286) | (+7) | | 355 | 6 |
| 30.552 | 11300 | −65 | +25 | 66 | 145 | 1 |
| N–2 | 11300 | −63 | +24 | 64 | 85 | 1 |
| | 11298 | −22 | −22 | 36 | 73 | 1 |
| | 11299 | − 4 | +27 | 22 | 12 | 1 |
| | 11297 | +16 | +20 | 21 | 12 | 1 |
| | 11297 | +22 | +18 | 24 | 12 | 1 |
| | 11296 | +25 | +43 | 42 | 121 | 5 |
| | 11296 | +28 | +44 | 44 | 36 | 1 |
| | 11296 | +36 | +42 | 47 | 12 | 1 |
| | 11296 | +41 | +43 | 51 | 97 | 1 |
| | (5) | (274) | (+7) | | 605 | 14 |
| 31.712 | 11303 | −86 | +27 | 87 | 291 | 1 |
| N–3 | 11302 | −81 | +17 | 82 | 36 | 1 |
| | 11302 | −81 | +19 | 82 | 97 | 1 |
| | 11301 | −67 | +30 | 68 | 48 | 1 |
| | 11301 | −64 | +30 | 65 | 36 | 2 |
| | 11300 | −48 | +26 | 50 | 145 | 2 |
| | 11300 | −47 | +25 | 49 | 97 | 1 |
| | 11298 | − 8 | −19 | 27 | 73 | 2 |
| | 11298 | − 6 | −19 | 26 | 12 | 2 |
| | 11298 | − 6 | −21 | 28 | 16 | 1 |
| | 11298 | − 5 | −21 | 28 | 61 | 1 |
| | 11297 | +37 | +17 | 37 | 12 | 1 |
| | 11296 | +40 | +43 | 51 | 24 | 1 |
| | 11296 | +40 | +42 | 50 | 16 | 1 |
| | 11296 | +41 | +44 | 52 | 12 | 1 |
| | 11296 | +43 | +44 | 53 | 16 | 1 |
| | 11296 | +54 | +42 | 60 | 16 | 1 |
| | 11296 | +56 | +43 | 62 | 48 | 1 |
| | (7) | (258) | (+7) | | 1056 | 22 |

Mean for 31 days
$A$=632, $r$=46.3